

Cartpage

This document outlines the functionality and structure required to develop a Cart Page in a web application. The Cart Page allows users to review, modify, and proceed with the items they have added to their shopping cart.

Overview

The Cart Page serves as a summary of items that users have added to their cart while browsing the application. It enables users to review their selections, adjust quantities, remove items, and proceed to checkout.

Components:

The Cart Page will consist of the following components:

CartItem Component

- Displays individual items added to the cart, including: Product name Image Price Quantity input Subtotal Remove button

CartSummary Component

- Provides a summary of the cart, including: Total number of items in the cart Total price Proceed to Checkout button

CartPage Component

- Acts as the main container, rendering CartItem and CartSummary components.
- Manages cart data, updates, and interactions.

Functionality:

Display Cart Items

- Retrieves cart data from the application's state or backend.
- Renders CartItem components based on the items added to the cart.

Modify Cart Items

- Allows users to adjust quantities of items in the cart through quantity input fields in CartItem components.
- Provides a remove button to delete items from the cart.

Cart Summary

- Calculates and displays the total price of items in the cart.
- Updates the cart summary in real-time based on changes made to cart items (quantity adjustments or item removal).

Checkout Process

- Provides a "Proceed to Checkout" button that redirects users to the checkout page or initiates the checkout process.

Testing:

- Conducts unit tests for CartItem, CartSummary, and CartPage components.
- Verifies functionalities like adding/removing items, updating quantities, and calculating the total price.
- Ensures the "Proceed to Checkout" button functions correctly.

Future Enhancements:

- Implement saved carts for users to revisit later.
- Integrate discount codes or promotions in the cart.
- Enhance user experience with animations or visual cues for cart interactions.

Conclusion:

The Cart Page is a crucial component in the shopping experience, providing users with an overview of their selected items and facilitating easy modification before proceeding to checkout.